

Appl. No. 10/800,294
Amdt. Dated: Sept. 15, 2005
Reply to Office Action of: July 21, 2005

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-21. (Canceled)

Claim 22. (Currently amended) A termination of strands in a tension member that includes a plurality of fiber filaments gathered into one or more strands in which the filaments run close together, comprising:

said strands comprising fibers selected from the group consisting of carbon fibers, aramid fibers, and glass fibers, and having a lower shear force and durability than steel;

a transitional zone in said tension member where said strands are spread apart;

at least one receiving body;

each said strand in said transitional zone inserted into the narrow end of a respective conical hole in said at least one receiving body and fixed in relation to the hole by a hardened mass; and

the wall of [[each]] said conical hole having a slip agent applied thereto such that said hardened mass is prevented from adhering to said wall.

Claim 23. (Currently amended) A termination of strands in a tension member that includes a pluralitv of fiber filaments gathered into one or more strands in which the filaments run close together ~~wherein each strand comprises a plurality of fibers~~, comprising:

a transitional zone in said tension member in which said strands spread apart;

at least two receiving bodies;

each said strand inserted into a respective hole in one of said at least two receiving bodies and fixed in relation to its respective hole by a hardened mass;

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said at least two receiving bodies joined together in a concentric relationship via adjoining surfaces; a first said receiving body having a smaller diameter than a second said receiving body, thereby allowing at least one of the strands secured in the second receiving body to extend beyond the first receiving body; and

a retention screw for supporting said termination, said retention screw extending from a central bore in said second receiving body.

Claim 24. (Currently amended) A termination of strands in a tension member that includes a plurality of fiber filaments gathered into one or more strands in which the filaments run close together in which the strands consist of a plurality of fiber filaments, comprising[[:]]:

a transitional zone in said tension member wherein said strands are spread apart;

a first receiving body and a second receiving body, said first receiving body having a smaller diameter than said second receiving body;

each said strand in said transitional zone inserted into the narrow end of a respective hole in one of said first and second receiving bodies,

said first and second receiving bodies joined together such that at least one of the strands secured in the second receiving body extends beyond the first receiving body;

a sleeve-shaped tightening screw, said tightening screw connected to the second receiving body by a retention screw extended from a central bore in said second receiving body and a nut thereon.

Claim 25. (Previous presented) A termination of strands in a tension member that includes a plurality of fiber filaments gathered into one or more strands in which the filaments run close together, comprising:

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a transitional zone in said tension member in which said strands spread apart;

at least two receiving bodies, including a first receiving body having a smaller diameter than a second receiving body, said first and second receiving bodies joined together with prestressed bolts which extend through a through bore in said second receiving body and down into a threaded blind hole in said first receiving body;

said strands in said transitional zone inserted into respective holes in one of said at least two receiving bodies and fixed in relation to their holes by a hardened mass, wherein a plurality of said strands extend beyond said first receiving body and are anchored in their respective holes in said second receiving body.

Claim 26. (New) The termination according to claim 22, wherein said strand is anchored in said respective hole in the receiving body, and a plurality of said respective holes are arranged in at least one ring around the center of said receiving body.

Claim 27. (New) The termination according to claim 26, wherein each said hole tapers inward in the direction toward the tension member.

Claim 28. (New) The termination according to claim 22, said at least one receiving body comprising first and second receiving bodies joined together, where said holes in said second receiving body are arranged in at least one ring around the center of said second receiving body, and the first receiving body has a smaller diameter than the ring around the center of said second receiving body, allowing the strands secured in the second receiving body to extend beyond the first receiving body.

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Claim 29. (New) The termination according to claim 23, wherein each hole tapers inward in the direction toward the tension member.

Claim 30. (New) The termination according to claim 23, wherein a slip agent is applied to the wall of each hole, so that the hardened mass is prevented from adhering to the wall of the hole.

Claim 31. (New) The termination according to claims 23, a plurality of said holes are arranged in at least one ring around the center of at least one of said receiving bodies.

Claim 32. (New) The termination according to claim 23, wherein the end of at least one of the strands secured in the second receiving body is accessible at a surface of the second receiving body opposite the tension member such that there is access to an optical fiber in the strand.